



Courtesan

by Arya Akhavan (November 2012)

Angles for R.I. = 1.580

61 + 4 girdles = 65 facets

4-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.327 U/W = 0.327

P/W = 0.494 C/W = 0.176

Vol./W³ = 0.289

PAVILION

P1	45.54°	01-23-25-47-49-71-73-95	Cut to centerpoint.
G1	90.00°	96-24-48-72	Set stone size.
P2	65.41°	96-24-48-72	Leve girdle.
P3	42.30°	02-22-26-46-50-70-74-94	Meet P1, G1, P2
P4	43.55°	96-24-48-72	Meet P1, P2
P5	41.30°	01-23-25-47-49-71-73-95	Meet P1, P3, P4

CROWN

C1	37.12°	96-24-48-72	Set girdle width.
C2	27.51°	01-23-25-47-49-71-73-95	Meet G1, C1
C3	21.43°	02-22-26-46-50-70-74-94	Cut corner to 20% of stone width.
C4	17.54°	03-21-27-45-51-69-75-93	Cut corner to 30% of stone width.
T	0.00°	Table	Meet C3, C4

Originally, I was just messing around with reflecting a previous design ("Rectus Quadratus"). Somehow, it looked a bit like a Princess cut, so I worked on that angle and got a Princess-style reflection without the typical chevrons. I like this in emerald, but it works in materials from feldspar to CZ (RI = 1.52 - 2.16) with no changes. Suggested size = 6-12 mm

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